T. Kaczynski
2628 A Regent Street
Berkeley, Calif., 94704

AIRMAIL

Kaczynski
463 North Ridge
Lombard, Illinois 60148

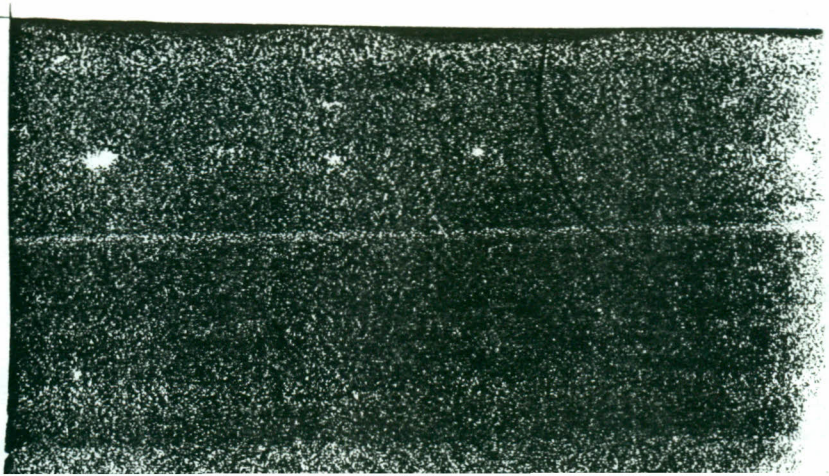
T-148

KW87

show this paragraph to Dave

→ I finally have the full story on this business of getting the draft board's permission to leave the country. Permission to leave the country is <u>not</u> required; however, if you <u>don't</u> get permission, and if the ~~draft board~~ draft board sends you a notice telling you to do something within, say 10 days, and you don't get the notice in time to do it, you can be declared delinquent, in which case you get drafted immediately. But apparently you are safe if you get ~~permission~~ permission in advance. By the way, they say that all communications to your draft board should be sent by certified mail, with <u>return receipt requested</u> so that later on, if necessary, you can prove you sent the letter — and naturally you should keep a copy of the letter, too.

Now, I don't know ~~yet~~ yet whether my draft board is going to give me permission to go, and perhaps David won't have permission. Furthermore, because of my change of address and occupation, I have reason



K687 pm

To suspect that my board might send me a form to fill out which I will be asked to return "immediately". Since you guys won't be home for 3 weeks (by the way, it would be helpful to me if you would let me know when you will return home) it would be very desirable if you could find someone to take care of the mail while you are gone so that I can telephone them every few days, and if there is some thing from the draft board, I can tell them where I am and they can send it to me. Is there perhaps a very reliable neighbor who could do this? One of our relatives perhaps could do it? If so, I would feel a lot safer, and so would Dave, probably, if he's not going to be home during those 3 weeks.

By the way, I am receiving the Saturday Review alright, in case you were wonderi thank you very much.

1687 pm

Also, would mother please sign the enclosed thing from Commonwealth Edison and send it in?

Finally, I am sending in an old insurance card, from that '54 Olds, that I had in my ~~pocket~~ wallet. Probably you have no use for it anyway, though.

Ted

P.S. I have given 463 North Ridge, Lombard, Ill. as my new address to my draft board, because naturally I won't be keeping the apartment here. I hope this is alright with you.

See you in a couple of weeks!

Department of Mathematics
University of California
Berkeley, California 94720

May 19, 1969

Midterm Examination - Math 16A
Professor Kaczynski

1. Compute $\frac{d}{du} \tan (u^2 + 1)$

2. Compute $\frac{d}{dx} (1 - \sin^3 x)$

3. Compute $\frac{d}{dx} \sqrt{\cos \sqrt{x}}$

4. Find (a) $\lim_{x \to +\infty} \frac{2x^7 - x^6 + 5x^2 + 1}{-3x^7 + x^6 - 2}$

   (b) $\lim_{x \to -\infty} \frac{2x^7 - x^6 + 5x^2 + 1}{-3x^7 + x^6 - 2}$

5. A man standing at the point $(0,1)$ wants to visit the x-axis and walk from there to the point $(1,3)$. He can do this by walking in a straight line from $(0,1)$ to a point $(x,0)$ on the x-axis, and then walking in a straight line from $(x,0)$ to $(1,3)$. Which point $(x,0)$ should he choose to make his walk as short as possible?

6. Find all local maximum and minimum points of the function $f(x) = x^3 + \frac{1}{2}x^2 - x + 4$. Where is the function increasing and where is it decreasing?

7. Let $f(x) = \frac{1}{4}x^4 - \frac{2}{3}x^3 + \frac{1}{2}x^2$. Find all local maximum and minimum points, say where the function is increasing and where it is decreasing, find all inflection points, and say where the function is convex upward and where it is convex downward. Sketch the curve.